PATENT COOPERATION TREATY

PCT

INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 00000PCT7503	FOR FURTHER ACTION as well	see Form PCT/ISA/220 as, where applicable, item 5 below.				
International application No. PCT/JP 2004 / 016781	International filing date (day/month/year) 05.11.2004	(Earliest) Priority Date (day/month/year) 14.11.2003				
Applicant SEMICONDUCTOR ENERGY LABORATORY CO., LTD.						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.						
language in which it was filed, un the international sear this Authority (Rule b. With regard to any nucleot Certain claims were foun Unity of invention is lack With regard to the title, the text is approved as sub	chess otherwise indicated under this item. ch was carried out on the basis of a translation 23.1(b)). ide and/or amino acid sequence disclosed in d unsearchable (See Box II). ing (See Box III).					
may, within one month from 6. With regard to the drawings, a. the figure of the drawings to be as suggested by the a as selected by this A	d, according to Rule 38.2(b), by this Authority in the date of mailing of this international search published with the abstract is Figure No upplicant. uthority, because the applicant failed to suggestathority, because this figure better characterize	as it appears in Box No. IV. The applicant th report, submit comments to this Authority. 5C 5C 5C 5C				

CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G09F9/30,H05B33/10,H05B33/14,H01L29/786,H01L21/288,H01L21/3205

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl7 G09F9/30,H05B33/10-33/28,H01L29/786,H01L21/288,H01L21/3205

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model

Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette

Containing the Utility Model 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 7-312290 A (NEC CORPORATION) 1995.11.28 paragraph [0037]-[0047] , figs. 2-4 & US 5747930 A1 & EP 684753 A1	1,3 2,4-24
Y ,	JP 7-333652 A (HITACHI, LTD.) 1995.12.22 whole document (family:none)	2,4-24
Y / !	JP 2003-058077 A (FUJI PHOTO FILM CO., LTD.) 2003.02.28 whole document (family:none)	5-24
Y	JP 2001-196590 A (SEMICONDUCTOR ENERGY LABORATORY CO., LTD.) 2001.07.19 whole document (family:none)	12-15

	Further documents are listed in the continuation of Box C.	1	See patent family annex.	
•	Special categories of cited documents:	"T"	T" later document published after the international filing date or	
"A" document defining the general state of the art which is not considered to be of particular relevance		priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier application or patent but published on or after the inter- national filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
"L"	 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means 		Y" document of particular relevance; the claimed invention cannot	
			he considered to involve an inventive step when the document is	
"0"			combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"P"	document published prior to the international filing date but later than the priority date claimed	"&"	&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report		
07.02.2005			01. 3. 2005	
Name and mailing address of the ISA/JP		Aut	Authorized officer 2M- 9804	
Japan Patent Office		Hajime Kitagawa		
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +81-3-3581-1101 Ext. 3274		